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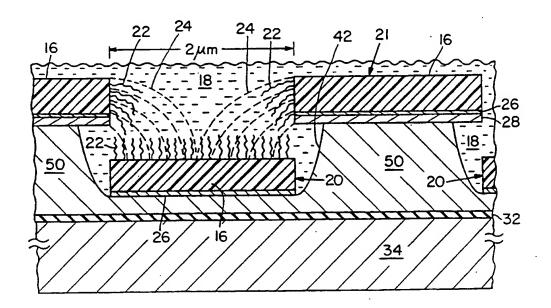
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(57) Abstract

A method and apparatus are disclosed for identifying molecular structures within a sample substance using a monolithic array of test sites formed on a substrate upon which the sample substance is applied. Each test site includes probes formed therein to bond with a predetermined target molecular structure or structures. A signal is applied to the test sites and certain electrical, mechanical and/or optical properties of the test sites are detected to determine which probes have bonded to an associated target molecular structure.

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INTERNATIONAL SEARCH REPORT

International Application No PCT/US 93/03829

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According to International Pater Int.Cl.5 G 01 N 21/75	t Classification (IPC) or to both National Clas G 01 N 33/543 C 12		′07
II. FIELDS SEARCHED			
	Minimum Document	ation Searched ⁷	
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Int.Cl.5	B 01 L G	01 N C 12 Q	
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III. DOCUMENTS CONSIDER			
Category O Citation of I	ocument, 11 with indication, where appropriate	e, of the relevant passages 12	Relevant to Claim No.13
NV) 1 see p 28, 1	9015070 (AFFYMAX TECHNOL 3 December 1990 cited in age 20, line 6 - page 22, ine 14 - line 36 see page ine 28; claim 22	the application , line 24 see page	1,10,50
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IV. CERTIFICATION		· · · · · · · · · · · · · · · · · · ·	1.7
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International Application No Page 2 PCT/US 93/03829

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INTERNATIONAL SEARCH REPORT

Inte. .ational application No.

PCT/US 93/03829

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This into	ernational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1.	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
з. 🗌	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
	ernational Searching Authority found multiple inventions in this international application, as follows: r further information please see form PCT/ISA/206 mailed 27.09.93.
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searches without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
з. []	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. X	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-5, 10, 22, 50
Remark	on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

ANNEX TO THE INTERNATIONAL SEARCH REPORT ON INTERNATIONAL PATENT APPLICATION NO.

US 9303829 74062 SA

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on 16/12/93

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